

Oil Field Environmental Incident Summary

Incident: 20180405104537 **Notice:** 4/5/2018 10:45 **Occurred:** 4/4/2018 12:10

Responsible Party: Hess Bakken Investments II, LLC
Well Operator: HESS BAKKEN INVESTMENTS II, LLC
Well Name:
Field Name:
Well File #:
Facility ID #: 400291-04
County: BILLINGS
Twp Rng Sec Qtr: 139 101 16 NW NE
Location Description: ND Department of Trust Lands
Submitted By: Alex Beach
Received By:
Contact Info: Troy Brunsell
 3015 16th Street SW, Suite 20
 Minot ND 58701

Affected Medium: Topsoil
General Land Use: Other - Described Above
Near. Occupied Bldg: 0.7 Mile
Nearest Water Well: 0.7 Mile
Type of Incident: Pipeline Leak
Release Contained: No
Reported to NRC: Yes

	Spilled	Units	Recovered	Units	Followup	Units
Oil						
Brine						
Other	50	Barrels				

Oth Rel. Contaminant: Emulsion

Date Inspected:
Clean Up Concluded:
Written Report Recd:
Risk Evaluation:

There are no immediate health hazards to report at this time.

Areal Extent:
 410 feet by 10 feet

Potential Env. Impacts:
 The release was uncontrolled. It followed the terrain and pooled in a few different areas, to include a stagnant area of surface water in a tributary. At this time, the stagnant area does not connect to a flowing body of water, and is isolated.

Action Taken/Planned:
 On the fourth of April, at approximately 1324 hours, Hess personnel notified the Hess control room of the incident, which triggered the formal activation of the Hess Incident Management Team. At approximately 1330 hours, eighty minutes after discovery of the release, Hess Reliability Operators (ROs) isolated the applicable pumping unit and central facility, to reduce the likelihood of additional emulsion leaking from the pipeline. At approximately 1400 hours, Hess Environmental, Health, and Safety (EHS) Personnel arrived on location. At approximately the same time, a contractor arrived with a dump truck and loader. At approximately 1413 hours, the Hess Liaison contacted the North Dakota

Department of Trust Lands (surface owner,) and delivered a verbal incident summary. At approximately 1429 hours, Hess EHS Personnel dispatched an emergency response (ER) contractor. At approximately 1437 hours, the Hess Liaison left a message with the NDIC Pipeline Division, and delivered a verbal incident summary. At approximately 1439 hours, the Hess Liaison left an additional message with the NDIC Pipeline Division. At approximately 1447 hours, The Hess Liaison contacted the Medora Grazing Association, and delivered a verbal incident summary. At approximately 1459 hours, the Hess Liaison contacted the US Forest Service, and delivered a verbal incident summary. At approximately 1502 hours, the Hess Liaison contacted the Bureau of Land Management, and delivered a verbal incident summary. At approximately 1509 hours, the Hess Liaison contacted the North Dakota Department of Health (NDDH,) and delivered a verbal incident summary. At approximately 1524 hours, the Hess Liaison sent an email the NDDH, with Hess Land Department information. At approximately 1530 hours, the first ER contractor representative arrived with an ER trailer, which contained a variety of equipment for various ER situations. At approximately the same time, a Hess Safety Unit Leader arrived. At approximately 1530 hours, the second ER contractor representative arrived with an additional dump truck. At approximately 1602 hours, the Hess Liaison contacted the NDDH, and submitted the release report. At approximately 1700 hours, a contractor representative arrived with a vacuum truck, with a one-hundred-and-twenty (120) barrel capacity. At approximately 1755 hours, the Hess Environmental Unit Leader arrived. At approximately 1825 hours, the Hess Liaison contacted the National Response Center (NRC,) and delivered a verbal incident summary. At approximately 1855 hours, the third and fourth ER contractor representatives arrived with a vacuum truck, with a seventy (70) barrel capacity and a flatbed truck. At approximately 2104 hours, Hess ceased on-location operations, with the plan to continue the following morning. Up to that time, Hess recovered approximately ninety (90) percent of the free product in the stagnant tributary. All of the free liquid between the source of the release and the tributary was removed. All residual emulsion from the source pipeline was removed. On the fifth of April, at approximately 0800 hours, Hess held a command staff meeting to outline the sequence of continuing operations.

Wastes Disposal Location:

All recovered waste will be disposed at an approved waste disposal facility.

Other Agencies Involved:

Updates

Date: 4/4/2018

Status: Reviewed - Follow-up Required

No Further Action:

Author: DeVries, Taylor

Notes:

Received call around 4:30 PM on 4/4/2018. The release amount is unknown at this time. The line is most likely a flow line. Hess has a few lines in that area and wasn't sure which one was leaking. The release was found via aerial inspection. The release has made its way into a tributary of Sully Creek. A NDDoH inspector is in the area and has been alerted and will visit site. Further follow-up is needed at this time.

This incident was also filed with the ND Department of Health under ID = 5671. All remediation tracking and updates will be filed under this Oil field incident and the General incident is closed.

Updated Volumes and Contaminant None at the time of this update

Date: 4/5/2018 **Status:** Inspection

No Further Action:

Author: Crowdus, Kory

Notes:

At location 4/4/2018, at 5:32pm. Photos taken and added to incident folder.

Oil daylighted in pasture land from pipeline leak. Release flowed approximately 100 yards with a flow path of approximately 15ft and narrowing to 2ft before entering an oxbow of Sully creek. Water was not flowing at this time and was not part of flow path of creek at this time. Booms were placed in the standing water to prevent migration if ice thawed. Samples were taken at this time in the standing water. Crews are on site berming areas where oil is pooling on pasture land. Further follow-up is required.

Updated Volumes and Contaminant None at the time of this update

Date: 4/5/2018 **Status:** Inspection

No Further Action:

Author: Crowdus, Kory

Notes:

On location 4/5/2018, at 9:45am. Work continues at the site. Booms and absorbent pads are in place to contain and remove oil from water. Excavation of soil has started from the area near creek and is moving towards the release point. Crews are working to expose pipeline to find break point. Photos taken and added to incident folder.

Further follow-up is required.

Updated Volumes and Contaminant None at the time of this update

Date: 4/6/2018 **Status:** Correspondence

No Further Action:

Author: DeVries, Taylor

Notes:

Update from company. The estimated release amount is 50 barrels of emulsion. The line was discovered to be a flow line. There is no cause of the release yet. The release has been contained. Further follow-up needed.

Updated Volumes and Contaminant None at the time of this update

Date: 4/6/2018 **Status:** Correspondence

No Further Action:

Author: O'Gorman, Brian

Notes:

Received an email from the company contact on 4/5/2018, discussing the release and showing a map of the location. Email added to the incident folder. More follow-up needed.

Updated Volumes and Contaminant None at the time of this update

Date: 4/9/2018 **Status:** Correspondence

No Further Action:

Author: O'Gorman, Brian

Notes:

Received an email from the company contact with an Environmental Response Action Plan (ERAP) attached. ERAP gives a background of the release and states that after the response actions, surface reclamation will be conducted to restore the area to pre-release conditions. Site inspections will also be conducted on a monthly basis during the growing season and surface water samples may be collected from Sully creek. Email and report added to the incident folder. Further follow-up needed.

Updated Volumes and Contaminant None at the time of this update

Date: 4/12/2018 **Status:** Inspection

No Further Action:

Author: Martin, Russell

Notes:

4/9/2018 at 13:10, on location. Photos taken and added to incident folder.

Met with company EHS personnel and discussed site, while taking a tour of the reclamation work. Work excavating and removing emulsion from oxbow and hillslope appears complete. Excavation is still open however, and according to site personnel, a plan has been submitted for filling in the excavation and restoring it to pre-release conditions, along with the necessary erosion control to achieve this. Current work is focused on top of the slope where the release originated, but they have not excavated the pipeline yet, so a cause for the release was not yet available. Current work excavation separated from completed area by clay berm, in case there is an unexpected amount of moisture.

Updated Volumes and Contaminant None at the time of this update

Date: 4/24/2018 **Status:** Inspection

No Further Action:

Author: Schmitt, Bryan

Notes:

Date: 4/18/2018; Time: 16:00 CST; Temp: 54F; Photos taken and added to incident folder.

Hess exposed and repaired the pipe which caused the spill. They dug 18.5 ft beneath the pipe and were getting VOC readings. The top foot of topsoil was removed in the flow path of the spill that migrated down to Sully Creek. No impacts were visible near Sully Creek.

Follow-up is required.

Updated Volumes and Contaminant None at the time of this update

Date: 5/22/2018 **Status:** Inspection

No Further Action:

Author: O'Gorman, Brian

Notes:

Arrived on location at 10:50. 67 degrees F, Cloudy, Calm winds. Observed the location and took photos, which have been added to incident folder.

The area of concern had been re-landscaped with straw covering the new soil surface and a fence with wire surrounding the area. There was no indication of petroleum staining of soils at the release point or in the oxbow area. No water was noted at the extent of the release. Follow-up with Site Assessment Report.

No further on-site inspection needed at this time.

Updated Volumes and Contaminant None at the time of this update

Date: 3/6/2019 **Status:** Correspondence

No Further Action:

Author: O'Gorman, Brian

Notes:

Received an email from Jim Quarnstrom of the NDDoH Chemistry Laboratory Services with two attachments. Attachment 1 showed the organic breakdown from the water sample collected at the site and attachment 2 showed a chromatogram with a similar pattern for hydrocarbons that were a reference for 30 weight motor oil. Email and attachments added to the incident folder.

Updated Volumes and Contaminant None at the time of this update

Date: 2/12/2020 **Status:** Correspondence - More Follow-up Required

No Further Action:

Author: DeVries, Taylor

Notes:

This site will be inspected again the summer of 2020.

Updated Volumes and Contaminant None at the time of this update

Date: 6/8/2020 **Status:** Inspection - More Follow-up Required

No Further Action:

Author: DeVries, Taylor

Notes:

Inspection Date: 6/8/2020

Arrived on location at 1630. The make shift road is only slightly visible. The reseeded grass is coming back very nicely. Walked to the location of the release. The area where the emulsion surfaced has been fenced off from the cattle and the regrowth is doing very well. The oxbow that the emulsion ran down into also has healthy vegetation growing. Cattle have been hanging out in the area where the emulsion pooled. The surrounding area is green and growing. Follow-up needed with Hess on final steps.

Photos were taken and can be found in the incident folder.

Updated Volumes and Contaminant None at the time of this update

Date: 6/3/2021 **Status:** Inspection - Vegetation Check **No Further Action:**

Author: Crowdus, Kory

Notes:

On location 6/3/2021, at 10:04am. Access road to spill site is showing good growth. Area of release remains fenced off. The area is approximately 50x30 yards. Within the fence area, vegetation is growing, mainly kosha with some grasses. The creek bed in area is dry but has good vegetation growth. Follow-up is required to monitor vegetation in fenced area and at some point the fencing will need to be removed.

Updated Volumes and Contaminant None at the time of this update

Date: 11/3/2021 **Status:** Inspection - Vegetation Check **No Further Action:**

Author: Suess, Bill

Notes:

This incident has been re-assigned to T. DeVries.

Updated Volumes and Contaminant None at the time of this update

Date: 7/14/2022 **Status:** Inspection - No Action Required **No Further Action:**

Author: Suess, Bill

Notes:

Inspected the site on 7/12/2022. The vegetation is recovering and should recover completely. While there is little grass present, there is a healthy assortment of cacti, sage and other forbs and brush. No adverse environmental conditions associated with this incident were observed. No further action is warranted.

Updated Volumes and Contaminant None at the time of this update